

Windalume

aluminum double-hung windows

SERIES **DH-A1**



CATALOG 55B



WINDALUME CORPORATION
KENVIL, NEW JERSEY

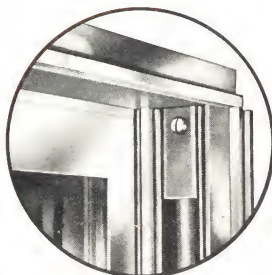
**ALUMINUM
BASEMENT WINDOWS**



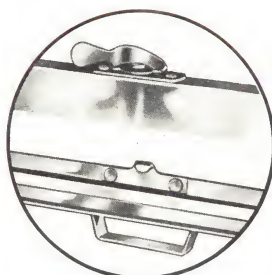
Windalume aluminum double-hung and picture windows

residential

series 100 — DH-A1



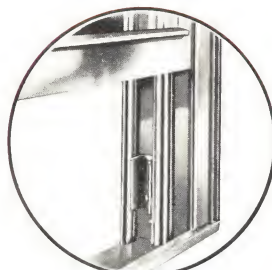
detail at head



**stainless steel lock
and aluminum pull**



**strong tubular sash
"double sealed"**



**detail at sill
bottom sash raised**

WINDALUME ALUMINUM WINDOWS combine the ultimate in engineering design with the finest corrosion-resistant materials to produce a life-time product of permanent beauty and use.

Adaptable to any design style or type of construction. Windalume windows are quickly and easily installed, and require no care or maintenance.

Double weatherstripping of stainless steel and extra heavy tubular construction assure maximum utility and enduring value.

advantages

extruded sections

Extra heavy extruded architectural aluminum alloy construction heat treated for strength and precision.

tubular sash section

Tubular construction maintains rigid, airtight closure and easy operation.

wide choice of muntin divisions

Wide range of division styles (see Page 3) in stock. Special designs also available.

low air infiltration

Heat loss and air leakage minimized by double contact members and weatherstripping.

double weatherstripped

Double stainless steel weatherstrip on the jamb. Thirty feet more than on ordinary windows.

double contact members

Two points of contact (see cut at left), assure weathertightness on sash perimeter. See detail — Page 5

protective lacquer finish

All surfaces coated with clear lacquer to protect them during erection from the action of mortar and plaster, and to enhance their appearance.

spiral balances

Nationally known, durable spiral balances (two to each sash) assure easy, well-balanced operation of sash at all times. They conserve space and are easy to adjust.

stainless steel sash lock

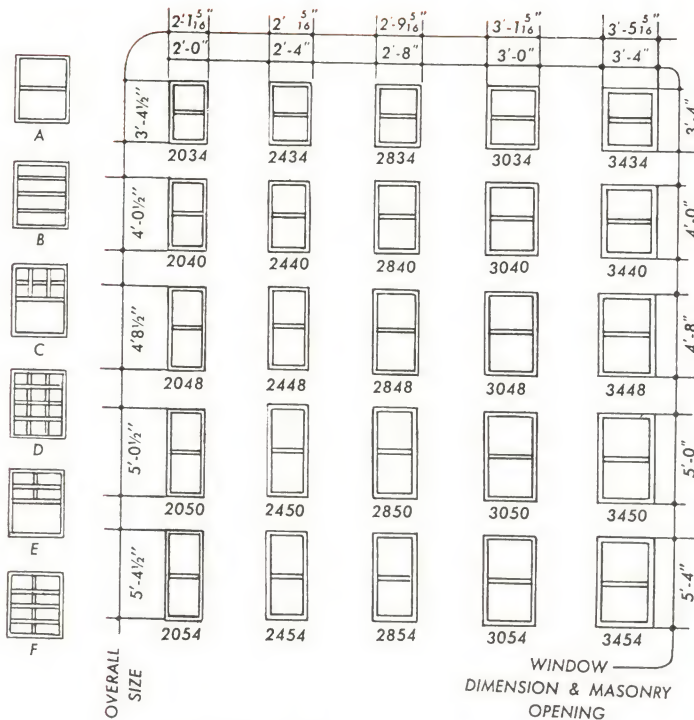
Safe and durable stainless steel locks secure WINDALUME windows.

continuous sash lift

Easy-to-grip lift bar is part of lower sash. Aluminum pull is attached to bottom of upper sash.

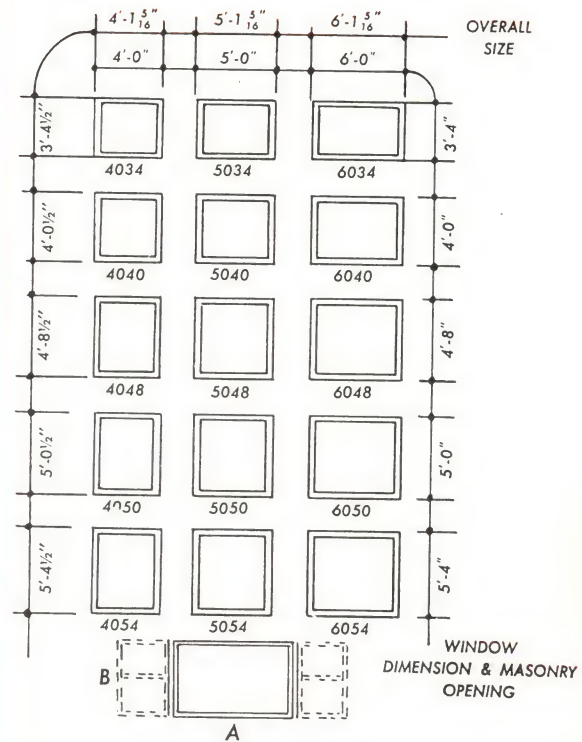


types standard double-hung*



*Available—1'-8" widths, 2'-4" & 3'-0" heights as semi-standards. Special sizes also available.

standard picture**



**Available as semi-standards—3'-0" widths.

specifications — series 100 — DH-A1

The double-hung windows shall be those manufactured by Windalume Corporation of Kenil, New Jersey. They are to be furnished completely fitted and assembled with weatherstripping and hardware, and ready for installation as hereinafter specified.

MATERIALS: Window frames and sash shall be manufactured of extruded 63S-T5 aluminum alloy of not less than 22,000 lbs. per square inch tensile strength to the manufacturer's standard shapes. Thickness of material in all members shall be .064" minimum (#14 B & S Ga.) except that the sill which shall be not less than .080" (#12 B & S Ga.). The design of the members shall conform to the strength requirements of the Aluminum Window Manufacturers Association.

CONSTRUCTION: Joints of frame and sash members are to be neatly fitted to a hairline and secured in a manner which will develop the full strength of the members connected and be absolutely weathertight. Muntin bars when required, shall be firmly secured at cross joints and to abutting sash members. Sash are to be designed for outside putty glazing. Glazing clips are to be furnished by the window manufacturer. Mullions are to be furnished as required.

HARDWARE: The window is to be equipped with 4 sash balances; bumpers as required for upper and lower sash; continuous lift on lower sash; aluminum pull down handle on meeting rail; a stainless steel lock, and anchors as required by construction. Lower sash shall be equipped with two nylon guides to center the sash and provide self adjusting floating action at all times.

WEATHERSTRIPPING: The window is to be equipped with stainless steel resilient weatherstripping on the jambs. It shall contact both the inside and outside of the sash and run the entire length of the jamb. Stainless steel weatherstripping is also to be provided at all horizontal members.

AIR INFILTRATION: The infiltration of air through the window shall not exceed 3/4 cubic foot per minute per linear foot of sash perimeter during a wind of 25 miles per hour velocity.

FINISH: The windows are to be finished in the natural aluminum color. A protective transparent coating shall be applied before shipment from the factory.

FULL LENGTH SCREENS: Screen frames are to be of tubular sections with the corners securely joined and reinforced, with horizontal rail in the frame at the meeting rails of the sash. Screen of 14 x 18 gauge aluminum alloy wire cloth, secured to the frame with an aluminum alloy spline. Each screen to have two top hangers to hang on hooks secured to the head of the window frame. Fingertip control turn latches are to be provided at each side of the screen at the bottom to engage the jambs of the window frame and secure the screen in a closed position. The screens are to be finished in the natural aluminum color.

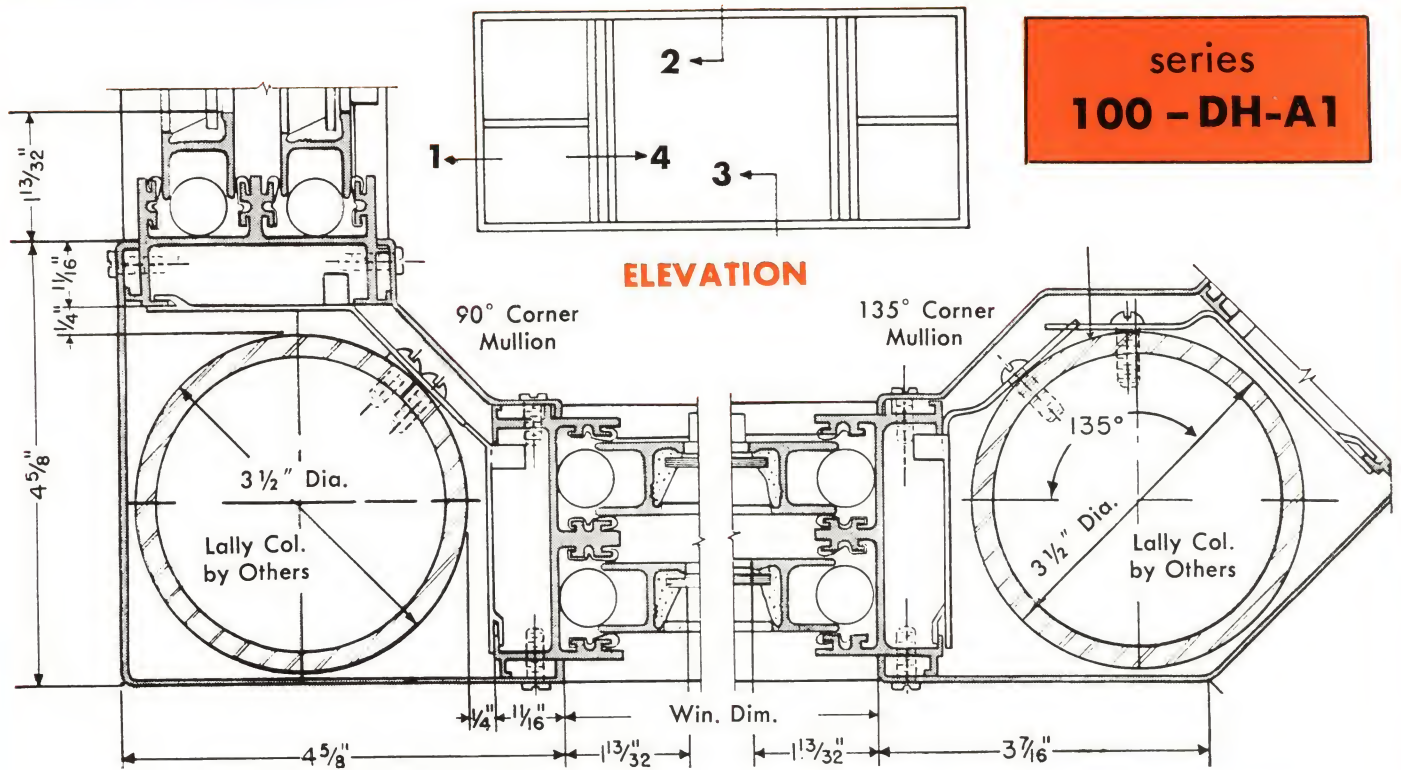
HALF LENGTH SCREENS: Screen frames to be of tubular sections with the corners securely joined and reinforced. The frame is to be fitted with 14 x 18 gauge aluminum alloy wire cloth, secured to the frame with alloy spline. When used independently screen to have two fixed clips on one side and two movable clips on the other side to permit the screen to slide freely up and down. When used with storm sash hanging hardware shall be provided. The screens to be finished in the natural aluminum color.

TWO PIECE STORM SASH: Storm sash shall be in two sections with tubular aluminum alloy frames with glass set in vinyl plastic channel. Non-metallic insulating material shall be applied to face of storm sash to prevent metal to metal contact with window frame. Ventilating stays shall be provided and finger tip control turn latches at each side of the bottom to engage the jambs of the window frame and secure sash in closed position.

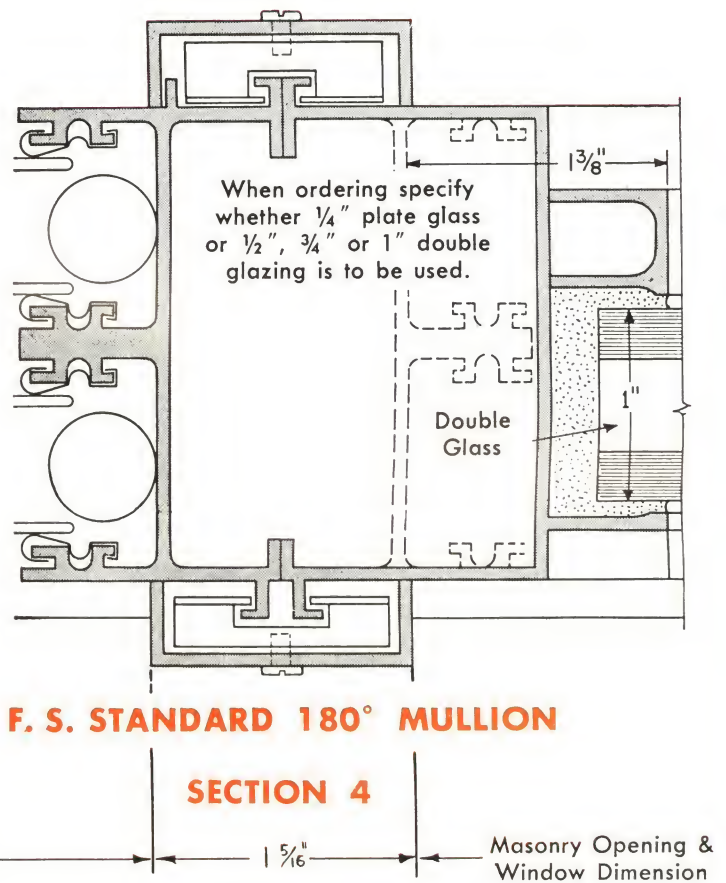
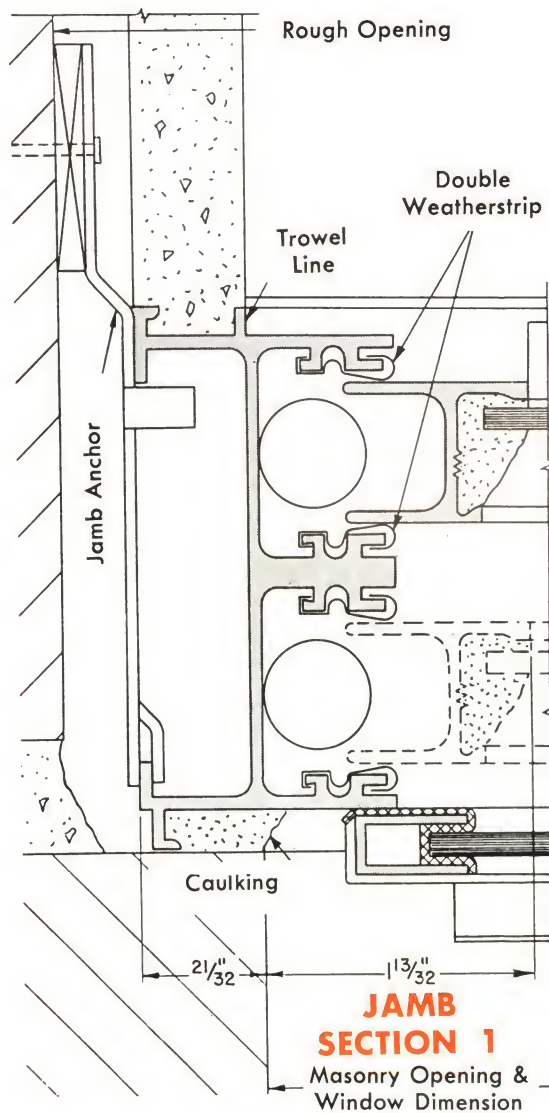
COMBINATION WINDOWS: Self-storing two-piece storm sash and half screen shall be provided for use on primary aluminum double hung windows. Inserts shall operate in extruded aluminum frame members securely attached to primary window. A spring push button shall be provided to permit various degrees of ventilation with lower sash.

GLAZING: Windows are designed and balanced for double strength window glass. They will not accommodate 1/4" plate or double glazing of the "Twindow" or "Thermopane" type. The glazing troughs should be cleaned of all dirt and grease before glazing and then back putted. The glass should next be set in place and held by glazing clips supplied with windows. Finally, the face putty should be applied in the customary fashion. Only a glazing compound specifically designed for aluminum windows should be used.

series
100 - DH-A1

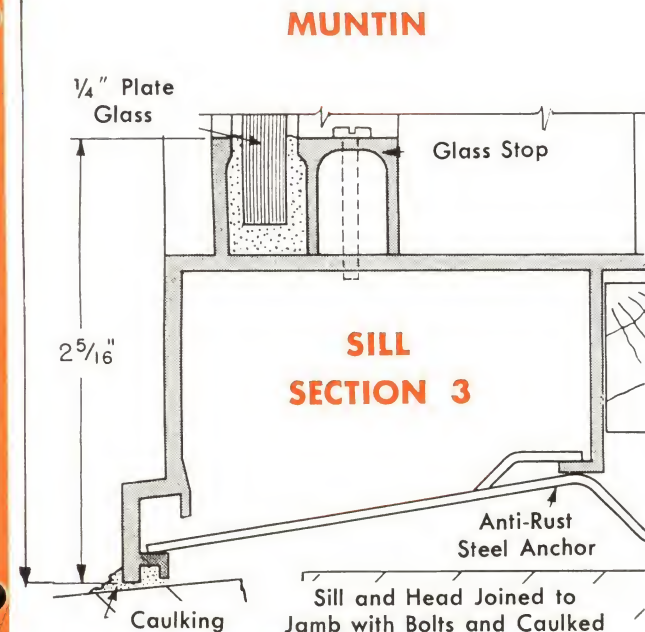
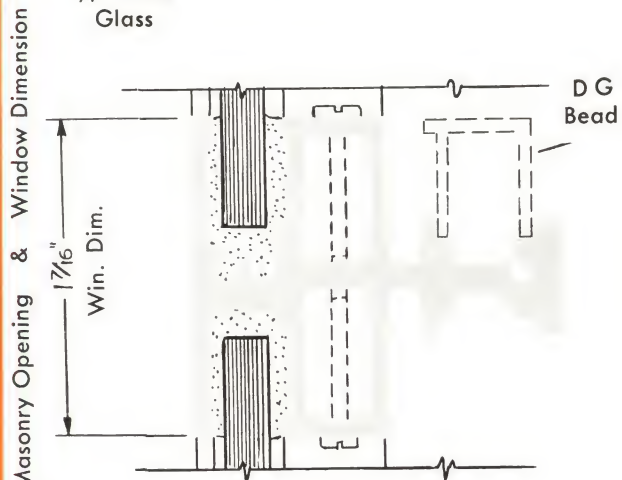
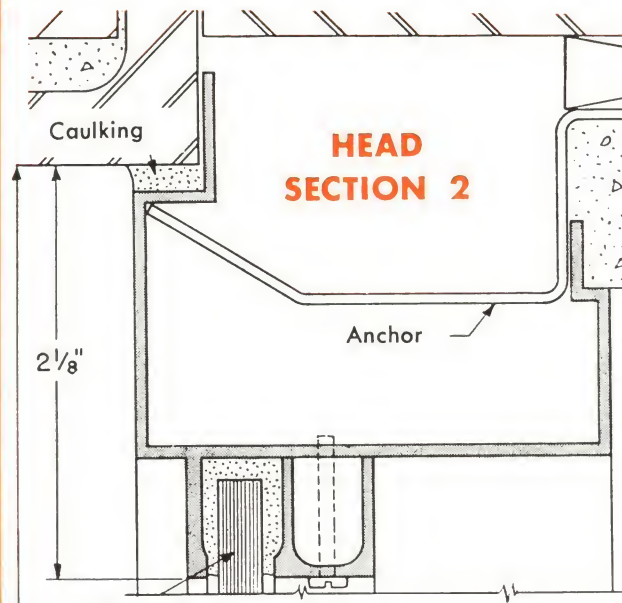


1/2 FULL SIZE ANGLE MULLIONS

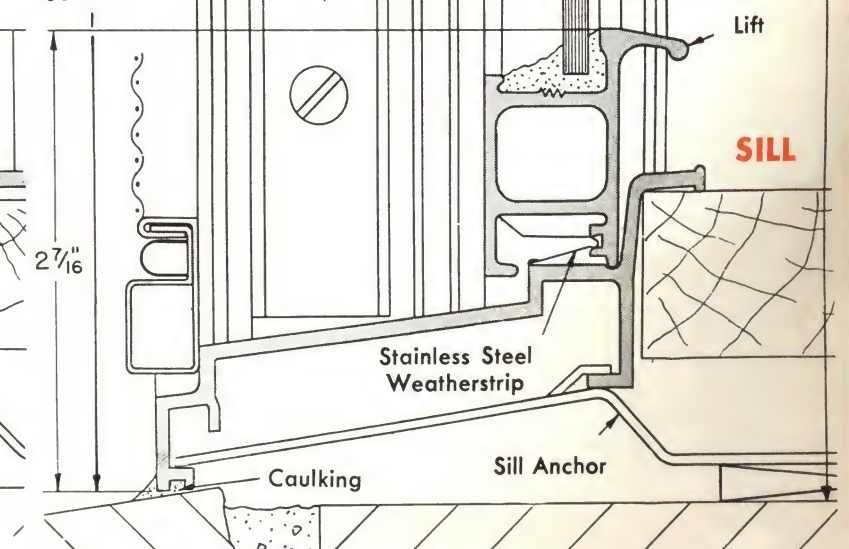
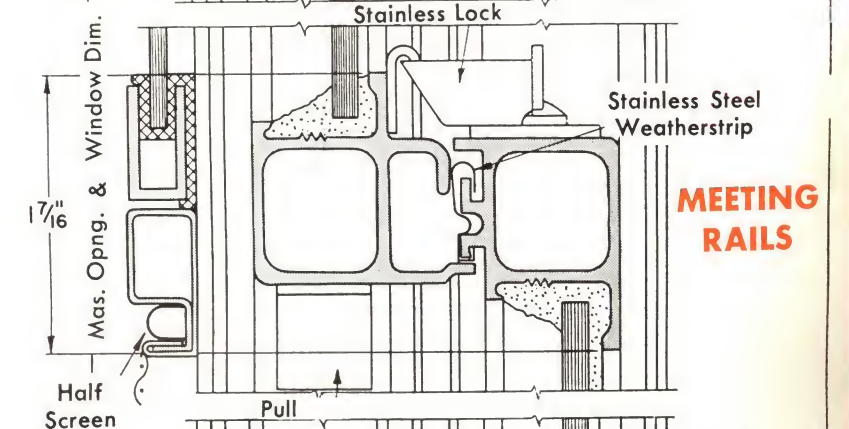
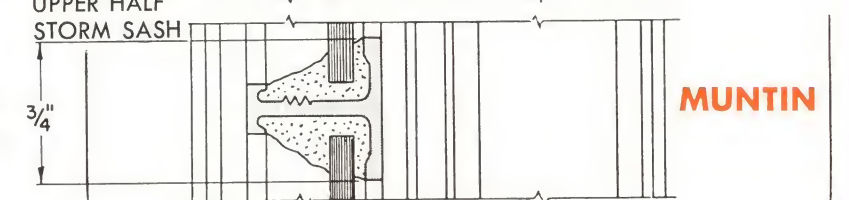
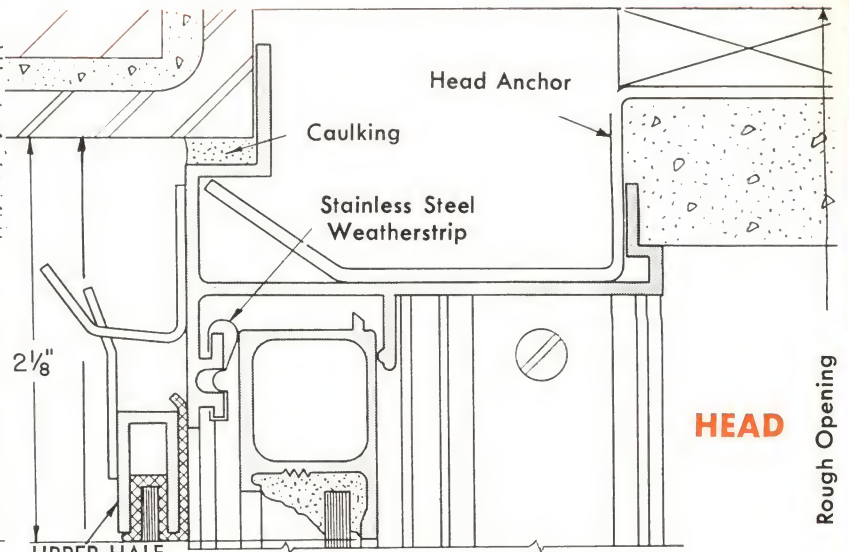


series
100 - DH-A1

5a
Wi

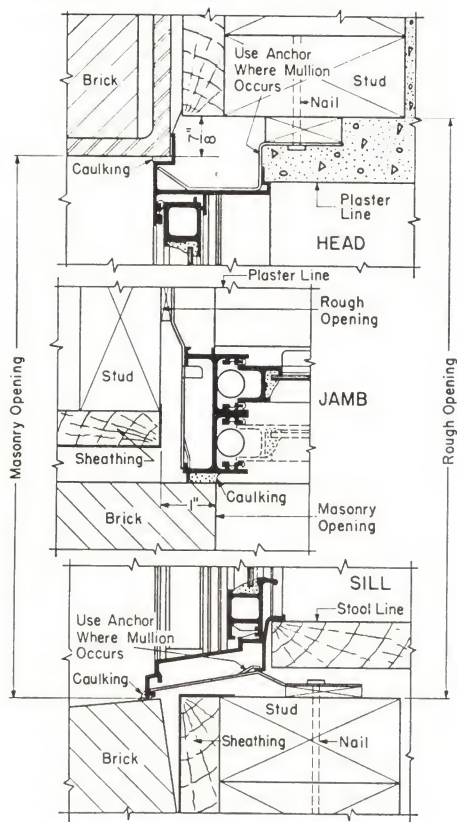


F. S. PICTURE WINDOW

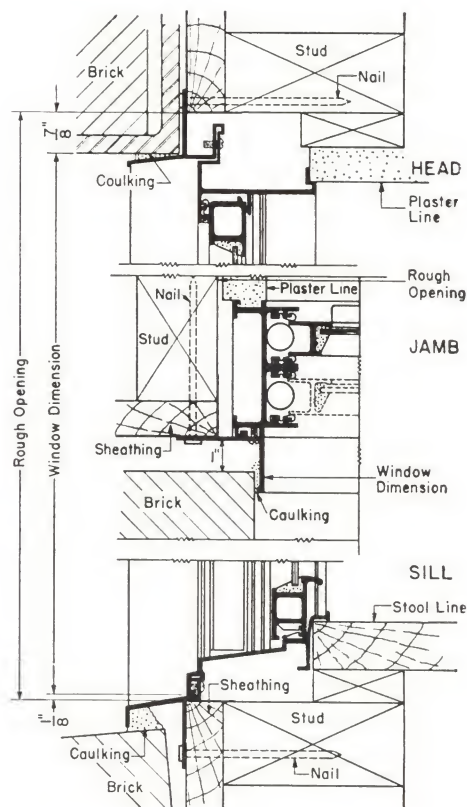


F. S. DOUBLE-HUNG WINDOW

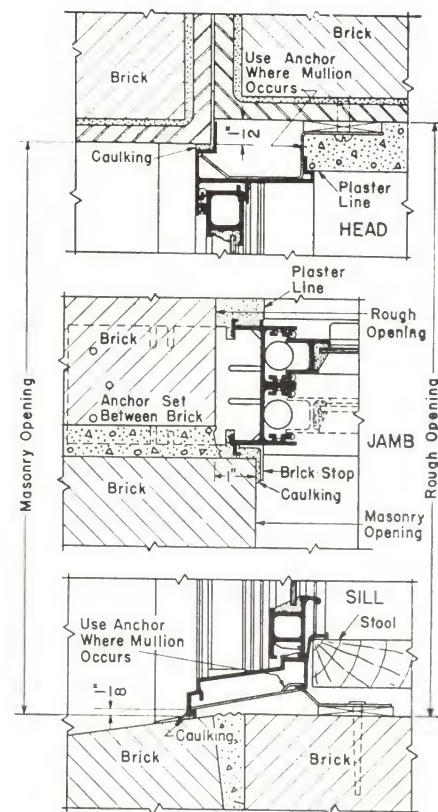
typical installation details



BRICK VENEER
in prepared opening



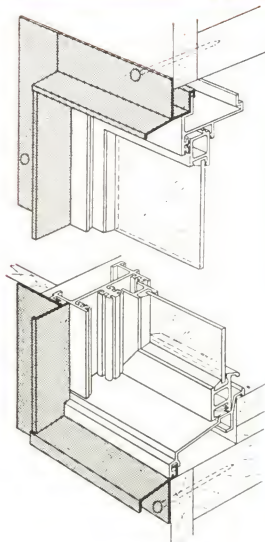
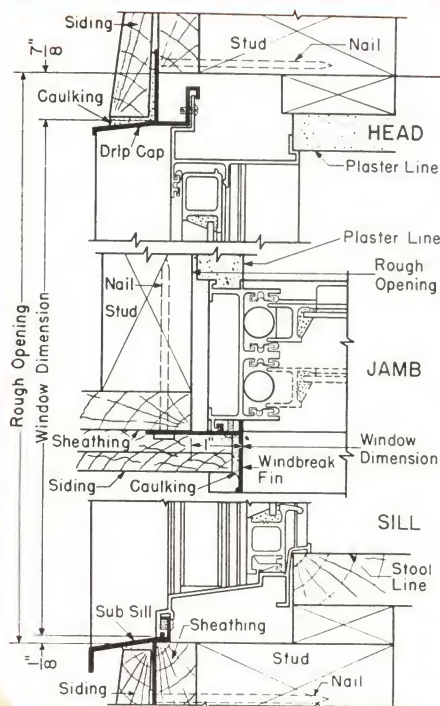
BRICK VENEER
with aluminum exterior trim



BRICK
built-in

aluminum exterior trim—frame construction

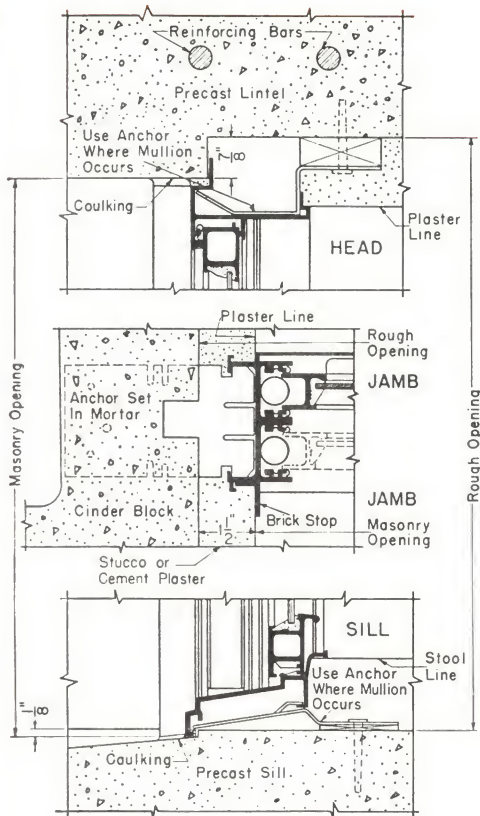
scale: 3"-1'0"



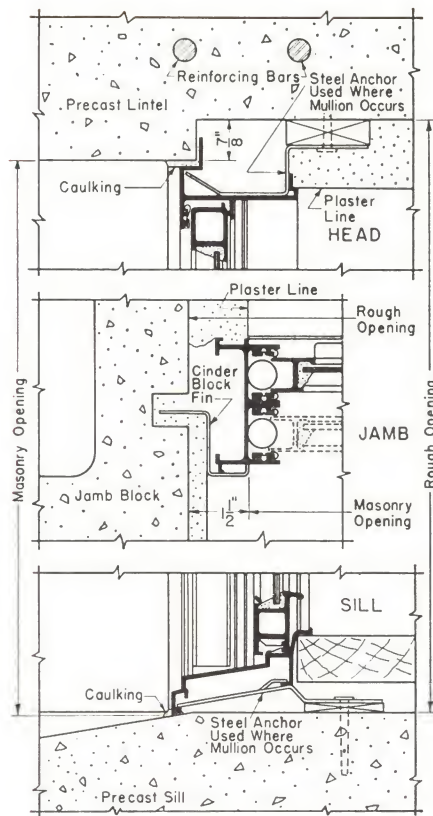
In order to simplify installation and cut costs, Windalume Aluminum Exterior Trim has been developed for use with standard Windalume Double-Hung windows. With the trim attached, it is possible to nail the window in place from outside in a few seconds. There is no need for special sills, wood trim or casing, or for any painting around the outside of the windows. Windalume Exterior Trim contains built-in flashing to insure weathertightness. It is ideal for frame or brick veneer construction.

DETAIL OF ALUMINUM EXTERIOR TRIM

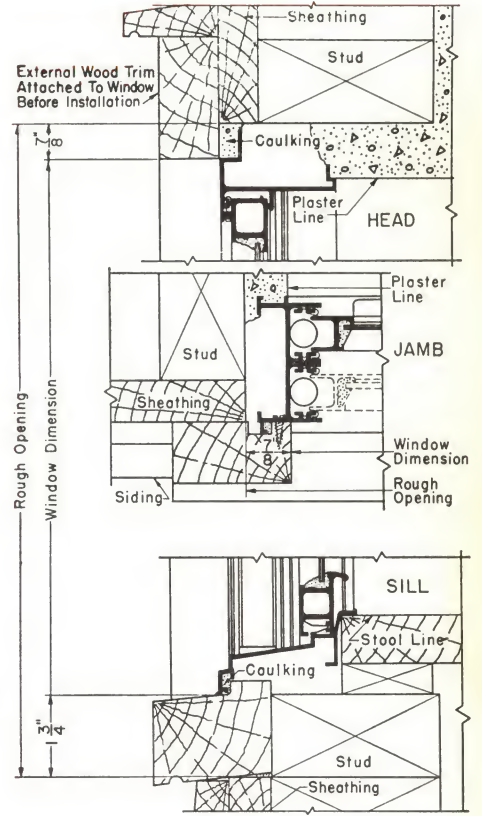




CINDER BLOCK
with brick stop

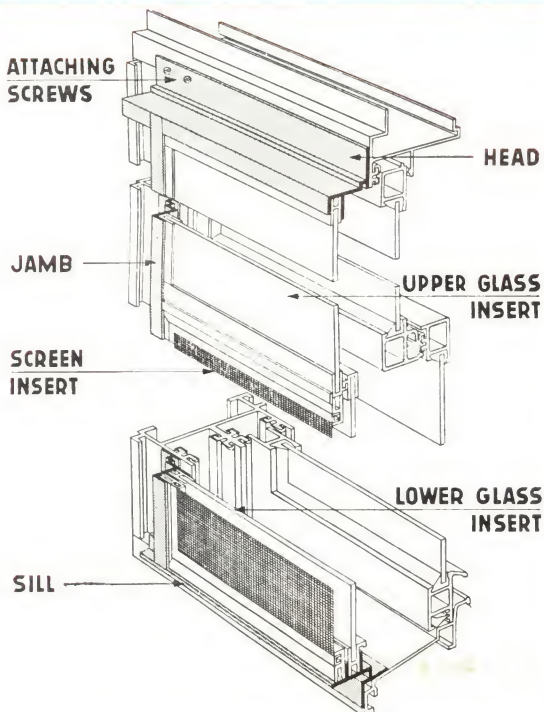


CINDER BLOCK
built-in



FRAME
exterior wood trim attached

aluminum combination windows



The Windalume self-storing screen—storm sash combination has been developed for use with Windalume double hung windows.

Because it was specifically designed to fit the standard size double hung windows without the necessity of cutting or fitting, this unit can be readily installed by anyone without difficulty. The frame consists of four extruded members which are held in place with screws to the prime window. A special inter-locking corner insures a faultless installation, while a wide contact face area provides for the maximum weather tightness.

The standard arrangement of inserts is shown in the drawing. The screen stays in place beneath the upper glass panel, while the lower glass insert is free to be moved to any one of four lock points ranging from fully closed to fully open. A spring push button holds the lower insert rigidly in the desired position.

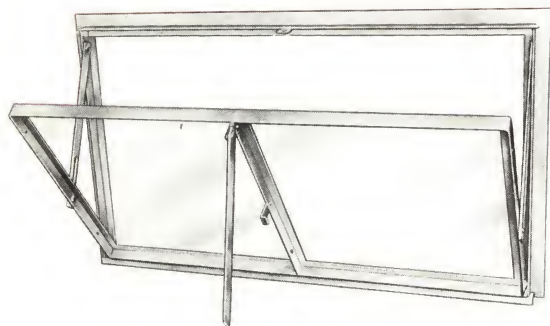
The glass inserts are framed in extruded aluminum. The glass itself is set in the aluminum frame by a shock-absorbing extruded vinyl plastic channel. Glass panels can be taken apart readily for reglazing in case of breakage.

Screen inserts have an extruded frame, 14 x 18 aluminum mesh, and a re-usable spline. For those that desire them, extra top screens are also available.

Windalume combination windows are made in all of the same standard sizes as the Windalume aluminum double hung windows.

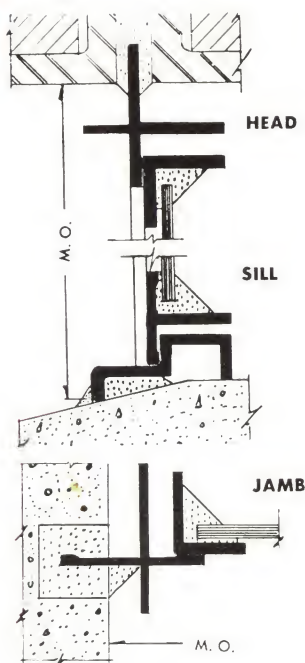


aluminum basement windows



Available in 3 standard sizes:

Glass Size	Masonry Opening	Overall Size
2 ft. 15" x 12"	32 1/4" x 14"	33 1/2" x 14 11/16"
2 ft. 15" x 16"	32 1/4" x 18"	33 1/2" x 18 11/16"
2 ft. 15" x 20"	32 1/4" x 22"	33 1/2" x 22 11/16"



HALF SIZE DETAIL

Windalume HEAVY GAUGE extruded aluminum basement windows are unharmed by foundation dampness and require no painting or maintenance. They are built to stand up during construction and for years afterward.

features:

- Heavy extruded aluminum sections. Sash .125" thick.
- Frame members, 1-9/16" deep.
- Long handle cam lock, easy to reach, holds sash tightly closed.
- Wide integral fins at jambs for easy setting in masonry, nothing to attach.
- Stepped sill provides extra stiffness, assures weather tightness.
- Vent, bottom hinged, opens in. Easily removed for inside mastic glazing or access.
- Built-in recess assures easy installation of flush mounted screens.

a few Windalume installations

name

Kingston Savings Bank
Public School No. 154
Public School No. 205
St. Philomena's Convent
Dixmont Hospital
The Variety Club's Boy's Ranch
St. Cecilia's Convent
Cozad Community Hospital
Lencshire House
Claremont Community, Incorporated
Mount Alvernia Seminary
Rye Colony
New Castle Motor Court
New England Village Apts.
Grandview Apartments
Rockledge Manor Garden Apts.
Riverside Memorial Chapel
Hilton Village Methodist Church
Seashore State Park Development
Duncan Electric Mfg. Co.
Powers Regulator Co.
Rita Gardens
Children's Center, Boulevard Houses
Halifax Apartments
Linn Cord Developments
Norfolk Housing Project VA 6-5
Immaculate Conception Seminary
Psychiatric Institute
St. Hedwigs Convent
Montclair Public Library
Central Avenue School
General Precision Laboratory
Northside Junior High School
New Jersey State Teachers College, Library & Gym
New York University's Dorm.
Junior High School No. 198

address

Kingston, N. Y.
Queens, N. Y.
Queens, N. Y.
Livingston, D. C.
Dixmont, Pa.
Bedford, Texas
Algona, Iowa
Cozad, Nebraska
Washington, D. C.
Arlington, Va.
Wappingers Falls, N. Y.
Rye, N. Y.
New Castle, Del.
Summit, N. J.
Pitman, N. J.
Yonkers, N. Y.
Brooklyn, N. Y.
Norfolk, Va.
Cape Henry, Va.
Lafayette, Indiana
Skokie, Indiana
Elizabeth, N. J.
Brooklyn, N. Y.
Daytona Beach, Fla.
Afton, Missouri
Norfolk, Va.
Darlington, N. J.
Baltimore, Maryland
Elizabeth, N. J.
Montclair, N. J.
Plainfield, N. J.
Pleasantville, N. Y.
Norfolk, Va.
N. Haledon, N. J.
New York City
Queens, New York

architect

George W. Clark, New York, N. Y.
Michael L. Radoslovich, New York, N. Y.
Starrett & VanVleck, New York, N. Y.
Neil J. Convery, Newark, N. J.
M. M. Fertig, Pittsburgh, Pa.
Jack Corgan, Dallas, Texas
Smith & Voorhees, Des Moines, Iowa
Frank N. McNett & Co., Grand Island, Neb.
George T. Santmyers, Washington, D. C.
Allen F. Kamstra, Arlington, Va.
Vincent S. Todaro, Brooklyn, N. Y.
William P. Katz, Yonkers, N. Y.
Wolf & Glucksman, Newark, N. J.
Isadore Naftali, Newark, N. J.
Edwards & Green, Camden, N. J.
J. T. Sibley, Yonkers, N. Y.
Ralph Leff, New York, N. Y.
Rudolph, Cooke & Van Leeuwen, Norfolk, Va.
Mattern & Mattern, Roanoke, Va.
The Austin Co., Chicago, Ill.
Sessions Engineering Co., Chicago, Ill.
Edwin Gerber, Newark, N. J.
Kelly & Gruzen, New York, N. Y.
LeRoy Sheftall, Jacksonville, Fla.
Arthur B. Rathert, St. Louis, Mo.
Vernon A. Moore, Norfolk, Va.
Kruger & Fava, Newark, N. J.
James R. Edmunds, Jr., Baltimore, Md.
George Vuinovich, Alpine, N. J.
Voorhees, Walker, Foley & Smith, New York
Frederick Elsasser, Union, N. J.
Gibbons & Heidtman, New York, N. Y.
Rudolph, Cooke & Van Leeuwen, Norfolk, Va.
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